1 **VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION**
2 .Remote control system
3 .Aeronautical vehicle
4 ..Altitude or attitude control or indication
5 ...Rate of change (e.g., ascent, decent)
6 ....Angle of attack
7 ...Air speed or velocity measurement
8 ...Threshold or reference value
9 ....Warning signal or alarm
10 ...Compensation for environmental conditions
11 ...Auto pilot
12 ....Inner/outer loop
13 ...Spacecraft or satellite
14 ..Flight condition indicating system
15 ..With indication or control of take-off
16 ..With indication or control of landing
17 ...I.L.S. or radar guidance
18 ...Profile of descent
19 .Railway vehicle
20 ..Railway vehicle speed control
21 .Marine vehicle
22 .Electric vehicle
23 .Automatic route guidance vehicle
24 ..On-board computer interact with a host computer
25 ..Storage or planning of route information
26 ...Modification or correction of route information
27 ..Artificial intelligence (e.g., fuzzy logic)
28 ..Having image processing
29 .Vehicle diagnosis or maintenance indication
30 ..Indication of maintenance interval
31 ..Self-test
32 ..Vehicle or device ID
33 ..Plural processors or external processor
34 ..Detection of faulty sensor
35 ..With data recording device
36 .Vehicle subsystem or accessory control
37 ..Suspension control
38 ...Attitude change suppressive control (e.g., antiroll or antipitch)
39 ...Fail-safe system
40 ...Artificial intelligence (e.g., fuzzy logic)
41 ..Steering control
42 ...Feedback, transfer function or proportional and derivative (P& D) control
43 ...Fail-safe system
44 ...Artificial intelligence (e.g., fuzzy logic)
45 ..Control of vehicle safety devices (e.g., airbag, seat-belt, etc.)
46 ...By integrating the amplitude of the input signal
47 ...By frequency or waveform analysis
48 ..Cooperative or multiple control (e.g., suspension and braking)
49 ..Vehicle equipment position control (e.g., seat, mirror, door, window, headrest, or headlamp)
50 .Construction or agricultural-type vehicle (e.g., crane, forklift)
51 .Transmission control
52 ..Semiautomatic control (e.g., switchable between automatic and manual)
53 ..And other vehicle control
54 ...Engine output control
55 ..By changing shift map, schedule, or pattern
56 ...Having a plurality of preset maps, schedules, or patterns
57 ..Fuzzy logic
58 ..Adaptive control
59 ...Model or learning means (e.g., neural network)
60 ...Feedback control (e.g., closed loop)
61 ....Using a transmission ratio as feedback control
62 ..Fail-safe control (e.g., preventing a gear shift)
63 ...Responsive to faulty sensor
64 ..Indicating a completion of a shift or a shift to be completed

65 ..Responsive to road, external, or ambient condition
66 ..Time regulated operations
67 .Clutch control
68 ..Adaptive control
69 .Control of power distribution between vehicle axis or wheels (e.g., four wheel drive vehicle)
70 .Indication or control of braking, acceleration, or deceleration
71 ..Antiskid, antilock, or brake slip control
72 ...During cornering or turning of vehicle
73 ...On split coefficient surface (u)
74 ...Having particular means to determine a reference value for wheel slippage or pseudo-vehicle speed
75 ....Correction or modification
76 ...Fail-safe system
77 ...Artificial intelligence (e.g., fuzzy logic)
78 ...Control of brake pressure
79 ....Having speed variation responsive means (e.g., acceleration, deceleration)
80 ....Having coefficient of friction or road condition determining means
81 ....Four wheel drive, electric, or heavy vehicles
82 ..Antispin, traction control, or drive slip control
83 ...Control of brake pressure
84 ...Control of engine torque
85 ....Having throttle valve positioning
86 ....Having fuel cutting or ignition timing retarding
87 ...Control of transmission torque
88 ...Restricting differential operation
89 ...Four wheel drive vehicle
90 ...Having particular slip threshold, target slip ratio, or target engine torque determining means
91 ...Integrated with antiskid or other vehicle control system (e.g., cruise control, suspension)
92 ...Fail-safe system
93 ..Vehicle speed control (e.g., cruise control)
94 ...Having gradient responsive control to suppress hunting, overshooting, or undershooting
95 ....By transmission shifting control
96 ...Having inter-vehicle distance or speed control
97 ...Fail-safe system
98 ...Artificial intelligence (e.g., fuzzy logic)
99 .With indicator or control of power plant (e.g., performance)
100 ..Gas turbine, compressor
101 ..Internal-combustion engine
102 ...Digital or programmed data processor
103 ....Control of air/fuel ratio or fuel injection
104 .....Controlling fuel quantity
105 .....Controlling timing
106 .....Artificial intelligence (e.g., fuzzy logic)
107 .....Fail-safe system
108 .....Exhaust gas circulation (EGC)
109 .....Detection of O2 concentration
110 ....Speed, acceleration, deceleration
111 ....Vibration, roughness, knock
112 ....Engine stop, fuel shutoff
113 ....Starting, warmup
114 ....Backup, interrupt, reset, or test
115 ....Specific memory or interfacing device
116 .With indication or control to maintain fixed position
117 .Traffic analysis or control of surface vehicle
118 ..With determination of traffic density
119 ..With determination of traffic speed
120 .Traffic analysis or control of aircraft

121 ..With speed control or order
122 ..With course diversion
123 .With indication of fuel consumption rate or economy of usage
124 .Determining balance or center of gravity (e.g., load distribution of vehicle)
200 **NAVIGATION**
201 .Determination of travel data based on the start point and destination point
202 ..Route pre-planning
203 ..Great circle route
204 .Determination of E.T.A.
205 .Determination of along-track or cross-track deviations
206 .Employing way point navigation
207 .Employing position determining equipment
208 ..For use in a map data base system
209 ...Including route searching or determining device
210 ....Route correction, modification, or verification
211 ...Having audio or visual route guidance
212 ...Having variable map scale
213 ..Using Global Positioning System (GPS)
214 ...Means to improve accuracy of position or location
215 ....Having multiple GPS antennas or receivers (e.g., differential GPS)
216 ....Having an self-contained position computing means (e.g., dead reckoning)
217 ..Using dead-reckoning apparatus
218 ..Using R-O (D.M.E. and path) or Tacan equipment
219 ..Using Loran or Shoran or Decca equipment
220 ..Using inertial sensor
221 ...With correction by noninertial sensor
222 ..Using star tracker
223 ..With radar or optical ground scanner
224 .With indicated course correction (compass deviation)
225 .Determining range without range measurement
226 .Space orbits or paths

300 **RELATIVE LOCATION**
301 .Collision avoidance
302 .Course to intercept

FOREIGN ART COLLECTIONS

FOR **CLASS-RELATED FOREIGN DOCUMENTS**